

040702000

What is claimed:

1. A basin for receiving sewage and housing a pump therein, comprising:

a basin body comprising a generally cylindrical wall including an inner wall surface and an outer wall surface, and a closed bottom at a bottom portion of the cylindrical wall, the cylindrical wall terminating at a top portion of the basin body to define an open top; and

an annular collar projecting from the outer wall surface at a bottom portion thereof, wherein the basin body and annular collar are integrally molded from a resin.

2. The basin of Claim 1, wherein the annular collar projects from the outer wall surface adjacent the closed bottom.

3. The basin of Claim 1, wherein the generally cylindrical wall includes an inlet opening.

4. The basin of Claim 3, wherein the inlet opening is formed in an integral nub projecting from the outer surface of the generally cylindrical wall for connection to a sewage source line.

5. The basin of Claim 4, wherein the nub projects from a flat in the generally cylindrical wall outer surface.

6. The basin of Claim 1, wherein the basin body comprises integral annular ribs projecting from the outer wall surface.

7. The basin of Claim 1, wherein a lower section of the generally cylindrical wall is downwardly tapered.

8. The basin of Claim 7, wherein an upper section of the generally cylindrical wall is upwardly tapered.

9. The basin of Claim 1, further comprising diametrically opposed recesses formed in the outer wall surface near a top portion thereof, the recesses facilitating handling of the basin during transport and installation.

10. A basin for receiving sewage and housing a pump therein, comprising:

Sub  
B1  
unit

5 a basin body comprising a generally cylindrical wall including an inner wall surface and an outer wall surface, and an integral closed bottom at a bottom portion of the cylindrical wall, the cylindrical wall terminating at a top portion of the basin body to define an open top; wherein diametrically opposed recesses are formed in the outer wall surface near a top portion thereof, the recesses facilitating handling of the basin during transport and installation.

11. The basin of Claim 10, wherein the recesses project inwardly from the outer wall surface by at least 1.5 inches.

12. The basin of Claim 10, wherein the generally cylindrical wall includes an inlet opening.

13. The basin of Claim 12, wherein the inlet opening is formed in an integral nub projecting from the outer surface of the generally cylindrical wall for connection to a sewage source line.

14. The basin of Claim 13, wherein the nub projects from a flat in the generally cylindrical wall outer surface.

15. The basin of Claim 10, wherein the basin body comprises integral annular ribs projecting from the outer wall surface.

16. The basin of Claim 10, wherein a lower section of the generally cylindrical wall is downwardly tapered.

17. The basin of Claim 16, wherein an upper section of the generally cylindrical wall is upwardly tapered.

20. A sewage ejector assembly comprising:

5 a basin for receiving sewage comprising a basin body, the basin body comprising a generally cylindrical wall including an inner wall surface and an outer wall surface and including annular ribs projecting from the outer wall surface, and an integral closed bottom at a bottom portion of the cylindrical wall, the cylindrical wall terminating at a top portion of the basin body to define an open top, a top portion of the generally cylindrical wall including a flat annular region the basin body; and

668240-24070660  
K-126

Sub A3

10 a top cover for covering the open top of the basin, an outer  
lower edge surface of the top cover being sealingly engageable with  
the flat annular region of the basin, the basin body further comprising  
a raised annular edge circumferentially surrounding the flat annular  
region and outer edges of the top cover when engaged with the basin  
15 body.

22. The assembly of Claim 20, wherein the raised annular edge has a height at least as great as a thickness of the top cover.

23. The assembly of Claim 22, wherein the raised annular edge has an outer surface with a diameter corresponding to a diameter of the outer wall surface at the top portion of the basin body, and an inner surface with a diameter greater than an outer diameter of the top cover.

25. The assembly of Claim 20, wherein the top cover includes an outlet opening therein.

26. The assembly of Claim 25, further comprising an outlet pipe for connection to a sewer line, the outlet pipe extending from a pump mounted in an interior of the basin and through the outlet opening in the top cover.

27. The assembly of Claim 20, wherein the generally cylindrical wall includes an inlet opening.

28. The assembly of Claim 27, wherein the inlet opening is formed in a nub projecting from the outer surface of the generally cylindrical wall for connection to a sewage source line.

29. The assembly of Claim 28, wherein the nub projects from a flat in the generally cylindrical wall outer surface.

30. The assembly of Claim 20, wherein an integral annular collar projects from the outer wall surface at a bottom portion thereof

Sub  
B2  
ent

- 5 adjacent the closed bottom, and diametrically opposed recesses are formed in the outer wall surface near a top portion thereof, the recesses facilitating handling of the basin during transport and installation.

d64/B8t

31. A method of molding a basin for receiving sewage, the basin comprising a basin body having a generally cylindrical wall including an inner wall surface and an outer wall surface, and an integral closed bottom at a bottom portion of the cylindrical wall, the cylindrical wall terminating at a top portion of the basin body to define an open top, said method comprising:

- charging resin to a mold, the mold comprising two mold parts having molding surfaces shaped to form the generally cylindrical wall outer surface;
- 10 omnidirectionally rotating the mold in a manner that molten resin coats molding surfaces of the mold to form a molded body including the generally cylindrical wall outer and inner wall surfaces; and
- cooling the resin and recovering the molded body from the
- 15 mold,
- wherein the two mold parts are separated along a part line dissecting the generally cylindrical wall along a longitudinal axis thereof.

32. The method of claim 31, wherein a nub projects from the outer wall surface of the generally cylindrical wall, the molding surfaces of the mold parts are shaped to form the nub, and the part line dissects the nub.

33. The method of Claim 31, wherein the basin body comprises integral annular ribs projecting from the outer wall surface, and the molding surfaces of the mold parts are shaped to form the ribs.

34. The method of Claim 31, wherein the basin body comprises diametrically opposed recesses formed in the outer wall surface near a top portion thereof, and the molding surfaces of the mold parts are shaped to form the recesses.